



Patent
Attorney's Docket No. 003300-293

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Per HOFVANDER et al

Application No.: 08/070,455

Filed: June 9, 1993

For: GENETICALLY ENGINEERED
MODIFICATION OF POTATO TO
FORM AMYLOPECTIN-TYPE STARCH

NON-FEE AMENDMENT

Group Art Unit: 1804

Examiner: D. Fox

RECEIVED
OCT 10 1994
GROUP 1800

AMENDMENT TRANSMITTAL LETTER

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Enclosed is an amendment for the above-identified patent application.

☐ _____ verified statement(s) claiming small entity status

☐ are also enclosed ☐ were submitted previously.

☒ A Petition for Extension of Time is also enclosed.

☐ Also enclosed is Claim for Convention Priority, Certified Priority Document and
Certified Translation, Summary of Experimental Results, Smith article, Dry article

☐ No additional fee is required.

☒ An additional fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	21	MINUS 20 = 1	1	x \$22 =	\$22
Independent Claims	9	MINUS 8 = 1	1	x \$76 =	\$76
If Amendment adds multiple dependent claims, add \$240.00					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					\$98.00

☐ A check in the amount of \$_____ is enclosed.

☒ Charge \$ 98.00 to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

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Date: October 3, 1994



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STARCH)

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Examiner: David T. Fox

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OCT 19 1994

GROUP 1800

REPLY AND AMENDMENT PURSUANT TO 37 C.F.R. §§1.111, 1.115 AND 1.119

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed April 1, 1994, please amend
the above-cited application as follows:

IN THE CLAIMS:

Please cancel Claims 2, 3 and 5 without prejudice or disclaimer.

Please amend Claim 1 as follows:

1. (Amended) Method of suppressing amylose formation in potato,
characterised by genetically engineered modification of the potato by introducing into the
genome of the potato tissue a gene construct comprising a fragment of the potato gene
which codes for formation of granule-bound starch synthase (GBSS gene) inserted in the
antisense direction, said fragment being selected [among the] from the group consisting of
fragments which essentially have the nucleotide sequences stated in SEQ ID No. 1, SEQ

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